

TWO NEW CALIFORNIA BUTTERFLIES

(Lepidoptera, Rhopalocera)

BY CHARLES H. INGHAM

*Los Angeles, California**Ascia beckerii* Edw. *gunderi* Ingham, new tr. form

Both upper and under sides showing the black cell spot on primaries fused outwardly, as well as inwardly, along the confines of the veins of the cell area; the extremities of the black fusing forming elongated points which extend half the length of the spot itself beyond its usual confines. An extra and separate dash appears at the junction of the median vein and the median nervule No. 1, this dash pointing inward, and being more pronounced on the under surface. The white center of the spot in the discal cell of the primaries present as in typical specimens, all other markings, including the green design of the under side of the secondaries normal. Similar in appearance, but not so well developed to *P. daplidice* L., tr. f. *rondoui* Obth., as illustrated in *Rhopalocera Palæarctica* by Dr. Roger Verity, plate XXX, figures 12 and 13.

Transition form classification: melanifusism, the final degree for this species being at present unknown.

Holotype ♀; expanse 35 mm.; Bouquet Canyon, Los Angeles County, Calif.; from larvæ, emergence date June 21, 1932. Bred from larva by author, and not subjected to any special environment. Type deposited in the Type Collection of the California Academy of Sciences at San Francisco, Calif.; named after my very good friend, Mr. Jeane D. Gunder of Pasadena, California, whose classification of lower lepidopterous concepts is appreciated.

Anthocharis sara Bdv. *gunderi* Ingham, new race

For several years it has been rumored that a new race of *Anthocharis sara* was to be found on the islands off the coast of southern California, and from Santa Cruz Island in particular. In March of this year a trip was taken by the author to Santa Catalina Island and a small series of these was taken, also other specimens were received by me from two resident collectors. From study of this series, and comparison with hundreds of *Anthocharis sara*, and forms of *sara* taken in California, Arizona, Utah, and Washington, this race, in my opinion, is constant and different enough to deserve special designation.

Race *gunderi* is smaller than our common race *reakirti*. (Most West Coast collectors rank *reakirti* as a race, rather than a seasonal form.) In size, they are as small as typical *reakirti* taken in Chino Canyon and Whitewater Canyon, Riverside County, California. On the upper side, the males have an unusually heavy black bar below the apical patch, the outer marginal black spots on nervules of the secondaries are also strongly marked. In both sexes, the greenish-black marbling on the under side of the secondaries dense, and evenly distributed, being heavier than in *reakirti*. As in all races of *sara*, the females of *gunderi* show the greatest divergence. The apical area around the orange spot is unusually black in the female of this race, this being caused by the submergence of the short row of white spots just above the orange spot, there remaining mere indications of white points, also the black extends down to the inner angle of the primaries, and is strongly developed. This feature of the dark apical area will serve to distinguish this race from others, and the small size is also a factor. On all of the females of my series, the secondaries were flushed with a greenish-yellow tinge, not the usual yellowish colors as in *reakirti*. This race of *sara* should be placed next to *reakirti* in all future check lists.

Holotype ♂ ; expanse 27 mm., April 2, 1932; Middle Ranch, Santa Catalina Island, California. Allotype ♀ ; expanse 28 mm., same date and locality. These types deposited in the Type Collection of the California Academy of Sciences at San Francisco. One pair of paratypes, matching types, of same date and locality placed through Mr. Foster Benjamin in the United States National Collection, Washington, D. C. One pair of paratypes, matching types, of same date and locality deposited through Dr. J. McDunnough in the National Collection at Ottawa, Canada. One pair of paratypes, matching types, of same date and locality in the author's collection. I take pleasure in naming this *Anthocharis* after Mr. Jeane D. Gunder who so kindly loaned me material from his extensive collection for comparisons with my type lot.
